Supplementary Files

Phosphodiesterase 5 and Arginase Inhibitory Activities of the Extracts from Some Members of Nelumbonaceae and Nymphaeaceae Families

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Supplementary Materials

Table S1: Calibration data, LOD, and LOQ of the flavonoids **1-6** analyzed by HPLC.

Table S2: Intra- and Inter-day precision and accuracy of flavonoids **1-6** analyzed by HPLC.

Table S1. Calibration data, LOD, and LOQ of the flavonoids **1-6** analyzed by HPLC.

Flavonoids	Linearity range (µg/ml)	Regression equation	Correlation coefficient (r^2)	LOD (µg/ml)	LOQ (µg/ml)
1	0.5 - 100	y = 23100x - 4376.5	0.9999	0.09	0.5
2	5.0 - 400	y = 20691x + 69562	0.9997	0.85	5.0
3	0.5 - 100	y = 64186x - 48477	0.9997	0.15	0.5
4	0.5 - 100	y = 27499x - 5199	0.9999	0.05	0.5
5	0.5 - 100	y = 65813x - 10389	0.9999	0.09	0.5
6	0.5 - 100	y = 44580x + 4643.1	0.9999	0.04	0.5

Table S2. Intra- and Inter-day precision and accuracy of flavonoids **1-6** analyzed by HPLC.

Flavonoids	Concentration levels (µg/ml)	Intra-day (*n*=3)		Inter-day (*n*=9)		Accuracy (*n*=3)	
		Measured concentration (µg/ml) ± SD	Precision (%RSD)	Measured concentration (µg/ml) ± SD	Precision (%RSD)	Recovery (%) Mean ± SD	Precision (%RSD)
1	3	2.71 ± 0.003	0.13	2.74 ± 0.05	1.83	90.04 ± 1.87	2.08
	25	23.63 ± 0.56	2.37	25.04 ± 0.73	3.00	86.69 ± 1.47	1.69
	65	62.94 ± 1.01	1.60	64.09 ± 1.04	1.63	90.05 ± 2.54	2.82
2	15	13.08 ± 0.24	1.86	13.01 ± 0.28	2.12	85.13 ± 1.53	1.79
	75	75.90 ± 1.23	1.62	77.15 ± 1.98	2.57	94.82 ± 0.73	0.77
	300	309.05 ± 1.41	0.46	311.04 ± 8.65	2.78	100.97 ± 2.44	2.42
3	3	2.94 ± 0.06	2.06	2.98 ± 0.09	2.85	106.17 ± 1.28	1.20
	25	27.01 ± 0.24	0.89	27.09 ± 0.61	2.25	98.46 ± 1.49	1.51
	65	66.27 ± 1.15	1.74	66.45 ± 1.64	2.47	109.92 ± 0.91	0.82
4	3	2.83 ± 0.07	2.61	2.87 ± 0.06	2.17	86.21 ± 2.40	2.78
	25	23.96 ± 0.56	2.33	24.48 ± 0.60	2.43	86.14 ± 2.06	2.40
	65	63.38 ± 1.26	1.99	64.74 ± 1.57	2.42	90.23 ± 0.57	0.63
5	3	2.58 ± 0.04	1.63	2.65 ± 0.06	2.18	103.43 ± 0.72	0.69
	25	25.47 ± 0.41	1.62	25.50 ± 0.63	2.46	100.67 ± 0.65	0.64
	65	64.63 ± 1.90	2.94	63.16 ± 1.64	2.49	105.74 ± 1.13	1.07
6	3	2.69 ± 0.02	0.90	2.70 ± 0.03	1.28	89.43 ± 1.27	1.42
	25	23.76 ± 0.49	2.06	24.26 ± 0.55	2.26	96.79 ± 2.19	2.27
	65	63.06 ± 1.12	1.77	64.24 ± 1.56	2.43	92.69 ± 0.83	0.89